

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-314181

(43)Date of publication of application : 02.12.1998

51)Int.Cl.

A61B 17/58

21)Application number : 09-129558

(71)Applicant : MITSUBISHI MATERIALS CORP

22)Date of filing : 20.05.1997

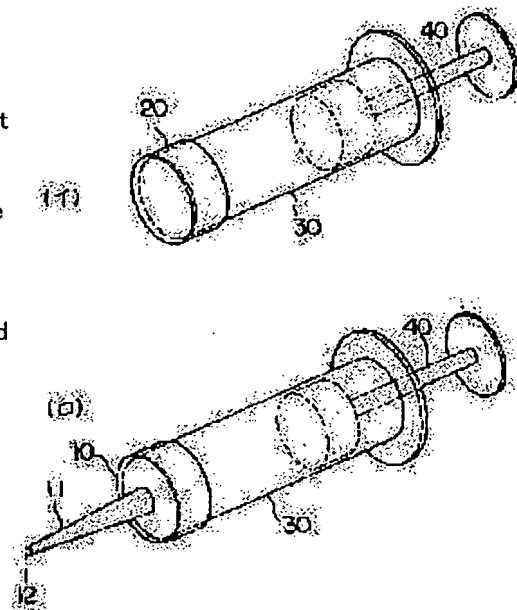
(72)Inventor : HIRANO MASAHIRO

54) MEDICAL CEMENT MIXING INJECTOR

57)Abstract:

PROBLEM TO BE SOLVED: To mix medical cement and a hardening liquid in an injector in the state of being separated from germs, etc., by joining a cement injecting part and a cover for mixing cement to a cement housing part in the state of being alternately attachable and detachable.

SOLUTION: At a medical cement mixing injector consisting of the cement injecting part 10, a cement discharging part 11, a cover for mixing cement 20, a cement housing part 30 and a piston part 40, the part 10 and the cover 20 can be joined to the cement housing part 30 in the state of being alternately attachable and detachable. At the time of using, the cover 20 is detached and the power of medical cement and a required amount of hardening liquid are packed into the part 30. After then, the cover 20 is attached to prepare a cement paste by mixing the contents while oscillating the whole of the cement mixing injector. Then, after finishing mixing, the cover 20 is detached and the part 10 is attached.



LEGAL STATUS

Date of request for examination] 31.03.2000

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

Date of final disposal for application]

Patent number] 3414195

Date of registration] 04.04.2003

Number of appeal against examiner's decision of rejection]

Date of requesting appeal against examiner's decision of rejection]

Date of extinction of right]